

Application No. 10/552,549
Paper Dated: January 26, 2009
In Reply to USPTO Correspondence of July 25, 2008
Attorney Docket No. 3135-053021

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1-12. (Cancelled).

13. (Currently Amended) A system for localizing articles of sports equipment, comprising:

means for generating an electromagnetic energy field within the Ultra-Wideband (UWB), wherein the electromagnetic energy field is formed by one or more pulse streams,

at least one article of sport equipment provided with at least one disrupting means for locally disrupting the electromagnetic energy field,

detecting means for detecting the local disruption of the electromagnetic energy field, and

a control unit coupled to the detecting means for localizing the article of sports equipment on the basis of the detected local disruption,

wherein the means for generating the electromagnetic energy field are adapted to transmit pulse beams of a plurality of pulse streams, wherein each pulse beam comprises nine pulse streams oriented at least substantially parallel to each other.

14. (Cancelled).

15. (Currently Amended) The system as claimed in claim 13, wherein each disrupting means is adapted to disrupt the electromagnetic energy field in a manner that distinguishes it from other disrupting means in the system.

16. (Previously Presented) The system as claimed in claim 13, wherein the disrupting means is adapted to reflect the pulse streams.

17. (Previously Presented) The system as claimed in claim 13, wherein the disrupting means is adapted to influence the pulse streams.

18. (Previously Presented) The system as claimed in claim 13, wherein the disrupting means is formed by a chip.

19. (Previously Presented) The system as claimed in claim 13, wherein the disrupting means is formed by a coating.

20. (Previously Presented) The system as claimed in claim 13, wherein the system is provided with visual means communicating with the control unit for displaying the location of the detected article of sports equipment.

21. (Previously Presented) The system as claimed in claim 20, wherein the communication between the control unit and the visual means takes place wirelessly via electromagnetic radiation.

22. (Previously Presented) The system as claimed in claim 20, wherein the communication between the control unit and the visual means takes place wirelessly via pulse streams.

23. (Currently Amended) A method for localizing sports equipment, comprising the steps of:

- A) generating an electromagnetic energy field within the Ultra-Wideband (UWB), wherein the electromagnetic energy field is formed by multiple pulse beams, wherein each pulse beam comprises nine pulse streams oriented at least substantially parallel to each other,
- B) placing in the electromagnetic energy field at least one article of sports equipment, provided with at least one disrupting means for locally disrupting the electromagnetic energy field,
- C) detecting the local disruption of the electromagnetic energy field, and
- D) localizing the article of sports equipment on the basis of the detected local disruption.

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24. (Previously Presented) The method as claimed in claim 23, wherein the method is provided with a step E) comprising of visualizing the location of the article of sports equipment after localizing the article of sports equipment on the basis of the detected local disruption as according to step D).